

REMARKS

Claims 1-26 are pending. In the Office action mailed December 17, 2004 the Examiner rejected claims 1, 2, 4-6, 12-15, 17-19, 25 and 26 under 35 U.S.C. 102(b) as being anticipated by Friedman (U.S. Pat. No. 5,499,294); rejected claims 3 and 16 under 35 U.S.C. 103(a) as being unpatentable over Friedman in view of Steinberg et al. (U.S. Pat. No. 5,862,217); rejected claims 7 and 20 under 35 U.S.C. 103(a) as being unpatentable over Friedman in view of Glass et al. (U.S. Pat. No. 6,332,193 B1); and rejected claims 8-11 and 21-24 under 35 U.S.C. 103(a) as being unpatentable over Friedman in view of Steinberg (U.S. Pat. No. 6,597,949 B1).

Also, the Examiner objected to the Abstract.

Claims 1-26 are re-presented for examination.

The Objection To The Abstract

The Abstract has been rewritten to remove the objection.

The Rejection Of The Claims

Claims 1-4 & 14-17

In Friedman the digital camera 11 produces two output files for each captured image as shown in FIG. 3a. The first is a standard digital image file, and the second is an encrypted "digital signature" of the image file (col. 5, lines 52-65). The digital signature is produced by first creating a hash of the original digital image, and then encrypting the image hash to produce the digital signature. Since only the image hash is altered by encryption, the resulting digital signature is smaller than the original unencrypted digital image. See col. 2, lines 60-66, and col. 3, lines 20-25 and 46-49. Thus, in Friedman the digital signature is not an encryption of every bit of every pixel of the original digital image and therefore does not fully represent the entire original digital image.

Claims 1-4 and 14-17 as amended are patentably distinct from Friedman, and therefore should be allowed. For example, claims 1 and 14 call for a second digital image that is an encrypted digital image of the original digital image rather than a digital signature of the original digital image as in Friedman. More specifically, claims 4 and 17 as amended state that the second digital image is an encryption entirely of the original digital image so that the second digital image is not smaller than the original digital image as compared to the digital signature in Friedman. And claims 2 and 15 state that the second digital image is an encryption of every bit of every pixel of the original digital image as compared to the digital signature in Friedman.

Claims 12, 13 & 25, 26

In Friedman the camera serial number is used as a public key to permit decrypting the digital signature (col. 6, lines 15-24). The public key is mathematically related to the camera (private) key to decrypt the digital signature with the public key.

By contrast claims 12 and 25 as amended state that the camera serial number is not related to the camera key, and therefore are patentably distinct from Friedman.

Also, original claims 13 and 26 state that the camera serial number is encrypted as part of the generation of the second digital image. This is not the case in Friedman as assumed (see page 4 of the Office action) since the camera serial number in Friedman is used as the public key.

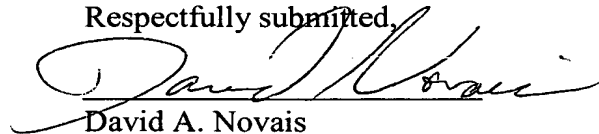
Claims 11 & 24

Original claims 11 and 24 state that the annotation associated with the first digital image is encrypted as part of the generation of the second digital image in the camera. In Steinberg the original digital image and the annotation are downloaded from the camera to a storage device. Encryption occurs in the storage device, not in the camera. Thus, Steinberg when combined with Friedman would not motivate one skilled in the art to encrypt the annotation in Steinberg with the digital signature in the camera in Friedman.

Conclusion

It is respectfully submitted, therefore, that in view of the above amendments and remarks, that this application is now in condition for allowance. If any issues remain, the Examiner is urged to telephone the undersigned attorney of record in an attempt to resolve these issues, and thus possibly place the application in condition for allowance.

Respectfully submitted,



David A. Novais
Attorney for Applicant(s)
Registration No. 33,324

DAN/ld
Rochester, NY 14650
Telephone: 585-588-2727
Facsimile: 585-477-1148

If the Examiner is unable to reach the Applicant(s) Attorney at the telephone number provided, the Examiner is requested to communicate with Eastman Kodak Company Patent Operations at (585) 477-4656.